

**BOBBY JINDAL**  
GOVERNOR



**HAROLD LEGGETT, PH.D.**  
SECRETARY

**State of Louisiana**  
**DEPARTMENT OF ENVIRONMENTAL QUALITY**  
**ENVIRONMENTAL SERVICES**

Certified Mail No.

Activity No.: PER20090001  
Agency Interest No. 123347

Mr. Troy E. Valenzuela  
Director Envir. & Safety  
PO Box 4648  
Houston, TX 77210-4648

RE: Part 70 Operating Permit, Pine Prairie Energy Center LLC  
Easton, Evangeline Parish, Louisiana

Dear Mr. Valenzuela:

This is to inform you that the permit modification for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the 25th of April, 2010, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and agency interest number cited above should be referenced in future correspondence regarding this facility.

Please be advised that pursuant to provisions of the Environmental Quality Act and the Administrative Procedure Act, the Department may initiate review of a permit during its term. However, before it takes any action to modify, suspend or revoke a permit, the Department shall, in accordance with applicable statutes and regulations, notify the permittee by mail of the facts or operational conduct that warrant the intended action and provide the permittee with the opportunity to demonstrate compliance with all lawful requirements for the retention of the effective permit.

Done this \_\_\_\_\_ day of \_\_\_\_\_, 2009.

Permit No.: 0920-00059-V1

Sincerely,

Cheryl Sonnier Nolan  
Assistant Secretary

CSN:dcd  
c: EPA Region VI

**AIR PERMIT BRIEFING SHEET  
AIR PERMITS DIVISION  
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**Pine Prairie Energy Center  
Agency Interest No.: 123347  
Pine Prairie Energy Center LLC  
Easton, Evangeline Parish, Louisiana**

**I. Background**

Pine Prairie Energy Center is an existing natural gas storage facility which began operation in 2005. The Pine Prairie Energy Center currently operates under Permit No. 0920-00059-V0, issued April 25, 2005 and administratively amended on January 20, 2009.

This is the Part 70 operating permit for the facility.

**II. Origin**

A permit application and Emission Inventory Questionnaire were submitted by Pine Prairie Energy Center LLC on March 4, 2009, requesting a Part 70 operating permit modification. Additional information dated April 27, 2009 was also received.

**III. Description**

The Pine Prairie Energy Center will receive sweet natural gas via pipeline. This gas will be routed through filter/separators and compressed for injection into solution mined salt dome storage caverns. Additionally, the facility will provide for the withdrawal of natural gas from each cavern for delivery to the sales pipeline. A majority of the compression capacity of the facility will be required during the injection phase of the storage cycle, but a limited amount of compression will also be required during the withdrawal phase. Compression will be provided by twelve (12) lean-burn natural gas-fired engines.

During withdrawal, high pressure natural gas will be reduced from cavern pressure to the facility's operating pressure. Following pressure reduction and filtration, the gas will be processed through the dehydration plant consisting of three dehydration units. Wet gas will flow to a triethylene glycol (TEG) contactor, where a counter flowing stream of lean TEG will absorb the entrained water vapor. Dry natural gas will leave the dehydration unit for metering into the sales pipeline. Water-laden TEG will then be sent to a distillation unit consisting of three (3) reboilers for regeneration. Depending on the water vapor content of the withdrawn cavern gas, a portion of the gas may bypass the dehydration system to be blended with dry, dehydrated gas downstream of the TEG contactor. This blending allows the facility to efficiently process gas to meet pipeline quality specifications, reduces still vent emissions to the condenser/oxidizers, and reduces fuel consumption and exhaust emissions from the reboilers. Each dehydration unit will have a maximum gas processing capacity of 250 mmscf/day, for a total plant capacity of 750 mmscf/day.

With the proposed project, Pine Prairie Energy Center will enlarge two of its existing storage

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caverns and develop two additional storage caverns, which will increase the storage capacity of the facility from 24 billion cubic feet to 48 billion cubic feet.

With this modification, Pine Prairie Energy Center proposes to:

- Delete one engine from the permit (EQT 19);
- Add a 374 HP Emergency Generator Diesel Engine (Source ID No. EGE-01) to the permit as an Insignificant Activity;
- Incorporate the 400 BBL MEOH Storage Tank (EQT 31) as a permitted source instead of an Insignificant Activity;
- Incorporate two (2) Aqueous NH<sub>3</sub> (17%) Storage Tanks as permitted sources (EQT 32 and EQT 33). These sources were previously considered to be Insignificant Activities;
- Install six (6) lean-burn, natural gas fired engines (EQTs 25 – 30); and
- Increase the number of components that contribute to fugitive emissions in order to accommodate this project.

Estimated emissions in tons per year are as follows:

<u>Pollutant</u>	<u>Before</u>	<u>After</u>	<u>Change</u>
PM <sub>10</sub>	0.71	0.68	- 0.03
SO <sub>2</sub>	0.90	1.01	+ 0.11
NO <sub>x</sub>	241.65	322.61	+ 80.96
CO	195.37	203.50	+ 8.13
VOC *	35.44	128.89	+ 93.45

<u>*VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):</u>		<u>Non-VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):</u>	
<u>Pollutant</u>	<u>Emissions</u>	<u>Pollutant</u>	<u>Emissions</u>
Acetaldehyde	5.85	Ammonia	<u>3.52</u>
Acrolein	3.600		
Benzene	0.853		
Ethylbenzene	0.70		
Formaldehyde	4.82		
Methanol	2.64		
n-Hexane	2.99		
Toluene	0.86		

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<u>*VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):</u>		<u>Non-VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):</u>	
Pollutant	Emissions	Pollutant	Emissions
Xylene	1.90		
Total	24.213	Total	3.52
Other VOC (TPY):		104.677	

#### **IV. Type of Review**

This permit was reviewed for compliance with 40 CFR 70, the Louisiana Air Quality Regulations, New Source Performance Standards (NSPS), and National Emission Standards for Hazardous Air Pollutants (NESHAP). Prevention of Significant Deterioration (PSD) does not apply.

This facility is a major source of toxic air pollutants (TAPs) pursuant to LAC 33:III.Chapter 51. However, emissions from the combustion of Group 1 virgin fossil fuels are exempt from the requirements of LAC 33:III.Chapter 51 per LAC 33:III.5105.B.3.a.

This permit approves the construction of an additional 24 billion cubic feet (BCF) of cavern storage space, in addition to the 24 BCF of storage space authorized by Permit No. 0920-00059-V0. Based on statements released by Pine Prairie Energy Center, LLC, LDEQ will consider the equipment needed to support the storage of natural gas in amounts ranging from 24 BCF up to 112 BCF as a single project for Prevention of Significant Deterioration purposes.

#### **V. Credible Evidence**

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

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**VI. Public Notice**

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, on <date>, 200X; and in the <local paper>, <local town>, on <date>, 200X. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on <date>. The draft permit was also submitted to US EPA Region VI on <date>. All comments will be considered prior to the final permit decision.

**VII. Effects on Ambient Air**

Emissions associated with the proposed modification were reviewed by the Air Quality Assessment Division to ensure compliance with the NAAQS and AAS. LDEQ did not require the applicant to model emissions.

**VIII. General Condition XVII Activities**

Work Activity	Schedule	PM <sub>10</sub>	Emission Rates – tons			
			SO <sub>2</sub>	NO <sub>X</sub>	CO	VOC
Compressor and Other Blowdown Emissions	12 times per month	-	-	-	-	0.69

**IX. Insignificant Activities**

ID No.:	Description	Citation
D-760	55 BBL Lube Oil Storage Tank	LAC 33:III.501.B.5.A.3
D-930	55 BBL Ethylene Glycol Storage Tank	LAC 33:III.501.B.5.A.3
D-950	55 BBL Lube Oil Storage Tank	LAC 33:III.501.B.5.A.3
D-690A	30,000 Gallon Aqueous NH <sub>3</sub> (17%) Storage Tank	LAC 33:III.501.B.5.D
D-690B	30,000 Gallon Aqueous NH <sub>3</sub> (17%) Storage Tank	LAC 33:III.501.B.5.D
EGE-01	374 HP Emergency Generator Diesel Engine*	LAC 33:III.501.B.5.D

\* These items currently qualify as insignificant activities. Any replacement of these items by new engines that are affected sources under either NSPS III or JJJJ, will require a permit modification and a removal of the sources from the insignificant activities list.

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**X. Table 1. Applicable Louisiana and Federal Air Quality Requirements**

ID No.:	Description	LAC 33:III Chapter																		
		5▲	509	9	11	13	15	2103	2104*	2107	2111	2113	2115	2116*	22	29*	51*	53*	56	59*
UNF1	Entire Facility	1		1	1	1								1						
EQT 1	Condenser/Oxidizer for TEG Still Vent Emissions				1	1	3												1	
EQT 2	Condenser/Oxidizer for TEG Still Vent Emissions				1	1	3											1		
EQT 3	Condenser/Oxidizer for TEG Still Vent Emissions				1	1	3											1		
EQT 4	Dehydration Plant Still Vent																3			
EQT 5	Dehydration Plant Still Vent																3			
EQT 6	Dehydration Plant Still Vent																3			
EQT 7	8.0 MMBTU/hr Line Heater							1		1	3	3								
EQT 8	8.0 MMBTU/hr Line Heater							1		1	3	3								
EQT 9	8.0 MMBTU/hr Line Heater							1		1	3	3								
EQT 10	4.5 MMBTU/hr TEG Reboiler							1		1	3	3								
EQT 11	4.5 MMBTU/hr TEG Reboiler							1		1	3									
EQT 12	4.5 MMBTU/hr TEG Reboiler							1		1	3									
EQT 13	7724 HP Caterpillar G16-CM34 Engine							1		1	3									

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ID No.:	Description	LAC 33:III.Chapter																		
		5▲	509	9	11	13	15	2103	2104*	2107	2111	2113	2115	2116*	22	29*	51*	53*	56	59*
EQT 14	7724 HP Caterpillar G16-CM34 Engine				1	1	3													
EQT 15	7724 HP Caterpillar G16-CM34 Engine				1	1	3													
EQT 16	7724 HP Caterpillar G16-CM34 Engine				1	1	3													
EQT 17	7805 HP Caterpillar G16-CM34 Engine				1	1	3													
EQT 18	7805 HP Caterpillar G16-CM34 Engine				1	1	3													
EQT 20	400 BBL Condensate Storage Tank														3					
EQT 21	400 BBL TEG Storage Tank														3					
EQT 22	400 BBL Slop Water Storage Tank														3					
EQT 23	400 BBL Diesel Storage Tank														3					
EQT 24	400 BBL Diesel Storage Tank														3					
EQT 25	G-700 – 7805 HP Caterpillar G16-CM34 Engine				1	1	3													
EQT 26	G-800 – 7805 HP Caterpillar G16-CM34 Engine				1	1	3													
EQT 27	G-900 - 4735 HP Caterpillar G3616 Engine				1	1	3													

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ID No.:	Description	LAC 33:III.Chapter																		
		5▲	509	9	11	13	15	2103	2104*	2107	2111	2113	2115	2116*	22	29*	51*	53*	56	59*
EQT 28	G-1000 - 4735 HP Caterpillar G3616 Engine				1	1	3													
EQT 29	G-1100 - 4735 HP Caterpillar G3616 Engine				1	1	3													
EQT 30	G-1200 - 4735 HP Caterpillar G3616 Engine				1	1	3													
EQT 31	D-960 - 400 BBL MEOH Storage Tank						1													
EQT 32	D-690A – Aqueous NH3 (17%) Storage Tank																			
EQT 33	D-690B – Aqueous NH3 (17%) Storage Tank																			
FUG 1	Plant Fugitive Emissions																			
FUG 2	Condensate Flash Emissions														3					
FUG 3	Condensate Loading														1					
FUG 4	MEOH Loading																			
FUG 5	Diesel Loading																			
FUG 6	TEG Loading																			
FUG 7	Slop Water Loading																			

\* The regulations indicated above are State Only regulations.

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- ▲ All LAC 33:III Chapter 5 citations are federally enforceable including LAC 33:III.501.C.6 citations, except when the requirement found in the "Specific Requirements" report specifically states that the regulation is State Only.

**KEY TO MATRIX**

- 1 -The regulations have applicable requirements that apply to this particular emission source.  
 -The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 -The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 -The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.  
 Blank – The regulations clearly do not apply to this type of emission source.

## LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

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X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS						40 CFR 61						40 CFR 63 NESHAP						40 CFR	
		A	K	Ka	Kb	Dc	Db	III	GG	III	JJJ	A	J	V	A	HH	SS	VV	ZZZZ	64	68
UNF1	Entire Facility	1																			
EQT 1	Condenser/Oxidizer for TEG Still Vent Emissions																				
EQT 2	Condenser/Oxidizer for TEG Still Vent Emissions																				
EQT 3	Condenser/Oxidizer for TEG Still Vent Emissions																				
EQT 4	Dehydration Plant Still Vent																				
EQT 5	Dehydration Plant Still Vent																				
EQT 6	Dehydration Plant Still Vent																				
EQT 7	8.0 MM BTU/hr Line Heater																				
EQT 8	8.0 MM BTU/hr Line Heater																				
EQT 9	8.0 MM BTU/hr Line Heater																				
EQT 10	4.5 MM BTU/hr TEG Reboiler																				
EQT 11	4.5 MM BTU/hr TEG Reboiler																				
EQT 12	4.5 MM BTU/hr TEG Reboiler																				
EQT 13	7724 HP Caterpillar G16-CM34 Engine																		3	3	

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**X. Table 1. Applicable Louisiana and Federal Air Quality Requirements**

ID No.:	Description	40 CFR 60 NSPS						40 CFR 61						40 CFR 63 NESHPAP						40 CFR 64						40 CFR 68			
		A	K	Ka	Kb	Db	Dc	GG	III	JJJ	A	J	V	A	HH	SS	VV	ZZZZ	A	HH	SS	VV	ZZZZ	A	HH	SS	VV	ZZZZ	
EQT 14	7724 HP Caterpillar G16-CM34 Engine									3																	3	3	
EQT 15	7724 HP Caterpillar G16-CM34 Engine									3																	3	3	
EQT 16	7724 HP Caterpillar G16-CM34 Engine									3																	3	3	
EQT 17	7805 HP Caterpillar G16-CM34 Engine									1																	1	3	
EQT 18	7805 HP Caterpillar G16-CM34 Engine									1																	1	3	
EQT 20	400 BBL Condensate Storage Tank									3																			
EQT 21	400 BBL TEG Storage Tank									3																			
EQT 22	400 BBL Slop Water Storage Tank									3																			
EQT 23	400 BBL Diesel Storage Tank									3																			
EQT 24	400 BBL Diesel Storage Tank									3																			
EQT 25	G-700 – 7805 HP Caterpillar G16-CM34 Engine																		1								1	3	
EQT 26	G-800 – 7805 HP Caterpillar G16-CM34 Engine																										1	3	

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**X. Table 1. Applicable Louisiana and Federal Air Quality Requirements**

ID No.	Description	40 CFR 60 NSPS										40 CFR 61			40 CFR 63 NESHAP			40 CFR 64		
		A	K	Ka	Kb	Db	Dc	GG	III	JJJJ	A	J	V	A	HH	SS	VV	ZZZZ	64	68
EQT 27	G-900 - 4735 HP Caterpillar G3616 Engine								1									1	3	
EQT 28	G-1000 - 4735 HP Caterpillar G3616 Engine								1									1	3	
EQT 29	G-1100 - 4735 HP Caterpillar G3616 Engine								1									1	3	
EQT 30	G-1200 - 4735 HP Caterpillar G3616 Engine								1				1					1	3	
EQT 31	D-960 - 200 BBL MEOH Storage Tank								3											
EQT 32	D-690A – Aqueous NH3 (17%) Storage Tank																			
EQT 33	D-690B – Aqueous NH3 (17%) Storage Tank																			
FUG 1	Plant Fugitive Emissions																			
FUG 2	Condensate Flash Emissions																			
FUG 3	Condensate Loading																			
FUG 4	MEOH Loading																			
FUG 5	Diesel Loading																			
FUG 6	TEG Loading																			

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**X. Table 1. Applicable Louisiana and Federal Air Quality Requirements**

ID No.:	Description	40 CFR 60 NSPS						40 CFR 61			40 CFR 63 NESHAP			40 CFR				
		A	K	Ka	Kb	Db	Dc	GG	III	JJJ	A	J	V	A	HH	SS	VV	ZZZZ
FUG 7	Slop Water Loading																	

**KEY TO MATRIX**

- 1 -The regulations have applicable requirements that apply to this particular emission source.  
 -The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 -The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 -The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank – The regulations clearly do not apply to this type of emission source.

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**XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source**

ID No:	Requirement	Notes
EQTs 1-3, 7-18, 25-30	Emission Standards for Sulfur Dioxide [LAC 33:III.Chapter 15]	DOES NOT APPLY. Units emit less than 5 tons of SO <sub>2</sub> per year. [LAC 33:III.1502.A.3]
	NSPS JJJJ—Standards of Performance for Stationary Spark Ignition Internal Combustion Engines [40 CFR 60.4230]	DOES NOT APPLY. Engines were ordered prior to June 12, 2006 and manufactured prior to July 1, 2007. [40 CFR 60.4230(a)(4)(i)]
EQTs 13 - 16	NESHAP ZZZZ—National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines	DOES NOT APPLY. Each engine is an existing compression ignition stationary RICE. [40 CFR 63.6590(b)(3)]
	Compliance Assurance Monitoring [40 CFR 64]	DOES NOT APPLY. A CAM Plan is not due until the first renewal of the permit. [40 CFR 64.5(a)(3)]
EQT 20	Control of Emission of Organic Compounds Storage of Volatile Organic Compounds [LAC 33:III.2103]	EXEMPT. Storage tank capacity is less than 420,000 gallons, contains crude oil or condensate, and is located in an attainment parish. [LAC 33:III.2103.G]
	NSPS Subpart Kb – Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commences after July 23, 1984. [40 CFR 60.110b]	DOES NOT APPLY. Tank capacity is less than 75 cubic meters. [40 CFR 60.110b(b)]
EQT 21	Control of Emission of Organic Compounds Storage of Volatile Organic Compounds [LAC 33:III.2103]	DOES NOT APPLY. Storage tank contents have maximum true vapor pressure less than 1.5 psia. [LAC 33:III.2103.A]

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**XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source**

ID No:	Requirement	Notes
EQT 21 (cont.)	NSPS Subpart Kb – Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commences after July 23, 1984. [40 CFR 60.110b]	DOES NOT APPLY. Tank capacity is less than 75 cubic meters. [40 CFR 60.110b(b)]
EQT 22	Control of Emission of Organic Compounds Storage of Volatile Organic Compounds [LAC 33:III.2103]  NSPS Subpart Kb – Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commences after July 23, 1984. [40 CFR 60.110b]	DOES NOT APPLY. Storage tank contents have maximum true vapor pressure less than 1.5 psia. [LAC 33:III.2103.A]
EQT 23	Control of Emission of Organic Compounds Storage of Volatile Organic Compounds [LAC 33:III.2103]  NSPS Subpart Kb – Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commences after July 23, 1984. [40 CFR 60.110b]	DOES NOT APPLY. Storage tank contents have maximum true vapor pressure less than 1.5 psia. [LAC 33:III.2103.A]
EQT 24	Control of Emission of Organic Compounds Storage of Volatile Organic Compounds [LAC 33:III.2103]	DOES NOT APPLY. Storage tank contents have maximum true vapor pressure less than 1.5 psia. [LAC 33:III.2103.A]

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**XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source**

ID No:	Requirement	Notes
EQT 24 (cont.)	NSPS Subpart Kb – Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commences after July 23, 1984. [40 CFR 60.110b]	DOES NOT APPLY. Tank capacity is less than 75 cubic meters. [40 CFR 60.110b(b)]
EQT 31	NSPS Subpart Kb – Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commences after July 23, 1984. [40 CFR 60.110b]	DOES NOT APPLY. Tank capacity is less than 75 cubic meters. [40 CFR 60.110b(b)]
EQTs 17-18, 25-30	Compliance Assurance Monitoring [40 CFR 64]  [40 CFR 64.2(b)(1)(i)]	EXEMPT. Units are subject to 40 CFR 60 Subpart JJJ, which is an emission standard proposed by the Administrator after November 15, 1990 pursuant to section 111 or 112 of the Clean Air Act. [40 CFR 64.2(b)(1)(i)]
FUG 003	Volatile Organic Compounds – Loading [LAC 33:III.2107]	EXEMPT. Facility is a crude oil condensate loading facility. [LAC 33:III.2107.F]

The above table provides explanation for either the exemption status or non-applicability of a source cited by 1, 2 or 3 in the matrix presented in Section X (Table 1) of this permit.

**General Information**

AI ID: 123347 Pine Prairie Energy Center LLC - Pine Prairie Energy Center

Activity Number: PER20090001

Permit Number: 0920-00059-V1

Air - Title V Regular Permit Minor Mod

Also Known As:	ID	Name	User Group	Start Date
	0920-00059	Pine Prairie Energy Center LLC - Pine Prairie Energy Center	CDS Number	08-10-2004
	LAR10D153	LPDES Permit #	LPDES Permit #	09-09-2005
Physical Location:	15 Mi N of Eunice, 1 Mi W of Easton, LA 70000		Main Phone:	8667732552
Mailing Address:	PO Box 4648 Houston, TX 772104648		Phone (Type)	Relationship
Location of Front Gate:	30.749444 latitude, -92.445833 longitude, Coordinate Method: Lat. (Long. - DMS, Coordinate Datum: NAD83			
Related People:	Name	Mailing Address	Phone (Type)	Relationship
	Warren Fusiler	PO Box 4648 Houston, TX 772104648	7136464515 (VP)	Emission Inventory Contact for
	Warren Fusiler	PO Box 4648 Houston, TX 772104648	7136464310 (VNF)	Emission Inventory Contact for
	Warren Fusiler	PO Box 4648 Houston, TX 772104648	WDFUSILER@PAA	Emission Inventory Contact for
	Troy Valenzuela	PO Box 4648 Houston, TX 772104648	tevalenzuela@paalp	Responsible Official for
	Troy Valenzuela	PO Box 4648 Houston, TX 772104648	7136464614 (VP)	Responsible Official for
Related Organizations:	Name	Address	Phone (Type)	Relationship
	Pine Prairie Energy Center LLC	PO Box 4648 Houston, TX 772104648	Operates	
	Pine Prairie Energy Center LLC	PO Box 4648 Houston, TX 772104648	Emission Inventory Billing Party	
	Pine Prairie Energy Center LLC	PO Box 4648 Houston, TX 772104648	Air Billing Party for	
	Pine Prairie Energy Center LLC	PO Box 4648 Houston, TX 772104648	Owns	
NAC Codes:	48621, Pipeline Transportation of Natural Gas			

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Ms. Tommie Milam, Permit Support Services Division, at (225) 219-3259 or email your changes to facupdate@la.gov.

**INVENTORIES**

AI ID: 123347 - Pine Prairie Energy Center LLC - Pine Prairie Energy Center  
 Activity Number: PER20090001  
 Permit Number: 0920-00059-V1  
 Air - Title V Regular Permit Minor Mod

## Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
<b>Entire Facility</b>						
EQT 0001	BTEX-01 - Condenser/Oxidizer for TEG Still Vent Emissions	8 MM BTU/hr	7.2 MM BTU/hr	7.2 MM BTU/hr		8760 hr/yr
EQT 0002	BTEX-02 - Condenser/Oxidizer for TEG Still Vent Emissions	8 MM BTU/hr	7.2 MM BTU/hr	7.2 MM BTU/hr		8760 hr/yr
EQT 0003	BTEX-03 - Condenser/Oxidizer for TEG Still Vent Emissions	8 MM BTU/hr	7.2 MM BTU/hr	7.2 MM BTU/hr		8760 hr/yr
EQT 0004	M-710SV - Dehydration Plant Still Vent	250 MM ft^3/day				8760 hr/yr
EQT 0005	M-720SV - Dehydration Plant Still Vent	250 MM ft^3/day				8760 hr/yr
EQT 0006	M-730SV - Dehydration Plant Still Vent	250 MM ft^3/day				8760 hr/yr
EQT 0007	E-662 - 8.0 MMBTU/hr Line Heater	8 MM BTU/hr				2102 hr/yr
EQT 0008	E-664 - 8.0 MMBTU/hr Line Heater	8 MM BTU/hr				2102 hr/yr
EQT 0009	E-666 - 8.0 MMBTU/hr Line Heater	8 MM BTU/hr				2102 hr/yr
EQT 0010	M-710 - 4.5 MMBTU/hr TEG Reboiler	4.5 MM BTU/hr				8760 hr/yr
EQT 0011	M-720 - 4.5 MMBTU/hr TEG Reboiler	4.5 MM BTU/hr				8760 hr/yr
EQT 0012	M-730 - 4.5 MMBTU/hr TEG Reboiler	4.5 MM BTU/hr				8760 hr/yr
EQT 0013	G-100 - 7724 HP Caterpillar G16-CM34 Engine	7724 horsepower				8760 hr/yr
EQT 0014	G-200 - 7724 HP Caterpillar G16-CM34 Engine	7724 horsepower				8760 hr/yr
EQT 0015	G-300 - 7724 HP Caterpillar G16-CM34 Engine	7724 horsepower				8760 hr/yr
EQT 0016	G-400 - 7724 HP Caterpillar G16-CM34 Engine	7724 horsepower				8760 hr/yr
EQT 0017	G-500 - 7805 HP Caterpillar G16-CM34 Engine	7805 horsepower				8760 hr/yr
EQT 0018	G-600 - 7805 HP Caterpillar G16-CM34 Engine	7805 horsepower				8760 hr/yr
EQT 0020	D-770 - 400 BBL Condensate Storage Tank	400 bbl	35280 gallons/yr	201600 gallons/yr		8760 hr/yr
EQT 0021	D-780 - 400 BBL TEG Storage Tank	400 bbl	201600 gallons/yr	201600 gallons/yr		8760 hr/yr
EQT 0022	D-940 - 400 BBL Slop Water Storage Tank	400 bbl	403200 gallons/yr	403200 gallons/yr		8760 hr/yr
EQT 0023	D-700 - 400 BBL Diesel Storage Tank	400 bbl	403200 gallons/yr	403200 gallons/yr		8760 hr/yr
EQT 0024	D-790 - 400 BBL Diesel Storage Tank	400 bbl	7805 horsepower	7805 horsepower		8760 hr/yr
EQT 0025	G-700 - 7805 HP Caterpillar G16-CM34 Engine	7805 horsepower	7805 horsepower	7805 horsepower		8760 hr/yr
EQT 0026	G-800 - 7805 HP Caterpillar G16-CM34 Engine	7805 horsepower	7805 horsepower	7805 horsepower		8760 hr/yr
EQT 0027	G-900 - 4735 HP Caterpillar G3616 Engine	4735 horsepower	4735 horsepower	4735 horsepower		8760 hr/yr
EQT 0028	G-1000 - 4735 HP Caterpillar G3616 Engine	4735 horsepower	4735 horsepower	4735 horsepower		8760 hr/yr
EQT 0029	G-1100 - 4735 HP Caterpillar G3616 Engine	4735 horsepower	4735 horsepower	4735 horsepower		8760 hr/yr
EQT 0030	G-1200 - 4735 HP Caterpillar G3616 Engine	400 bbl	200000 gallons/yr	200000 gallons/yr		8760 hr/yr
EQT 0031	D-960 - 400 BBL MEOH Storage Tank	30000 gallons	331644 gallons/yr	331644 gallons/yr		8760 hr/yr
EQT 0032	D-690A - Aqueous NH3 (17%) Storage Tank	30000 gallons	331644 gallons/yr	331644 gallons/yr		8760 hr/yr
EQT 0033	D-690B - Aqueous NH3 (17%) Storage Tank	30000 gallons	331644 gallons/yr	331644 gallons/yr		8760 hr/yr
FUG 0001	F-01 - Plant Fugitive Emissions					8760 hr/yr
FUG 0002	FLASH-01 - Condensate Flash Emissions					8760 hr/yr
FUG 0003	L-D-770 - Condensate Loading					9.8 hr/yr
FUG 0004	L-D-960 - MEOH Loading					29.4 hr/yr
FUG 0005	L-D-790 - Diesel Loading					224 hr/yr
FUG 0006	L-D-780 - TEG Loading					63.7 hr/yr
FUG 0007	L-D-940 - Slop Water Loading					16.5 hr/yr

INVENTORIES

AI ID: 123347 - Pine Prairie Energy Center LLC - Pine Prairie Energy Center  
 Activity Number: PER20090001  
 Permit Number: 0920-00059-V1  
 Air - Title V Regular Permit Minor Mod

## Stack Information:

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (°F)
<b>Entire Facility</b>							
EQT 0001	BTEX-01 - Condenser/Oxidizer for TEG Still Vent Emissions	.56	26475	1		20	1400
EQT 0002	BTEX-02 - Condenser/Oxidizer for TEG Still Vent Emissions	.56	26475	1		20	1400
EQT 0003	BTEX-03 - Condenser/Oxidizer for TEG Still Vent Emissions	.56	26475	1		20	1400
EQT 0007	E-662 - 8.0 MMBTU/hr Line Heater	5	953	2		20	850
EQT 0008	E-664 - 8.0 MMBTU/hr Line Heater	5	953	2		20	850
EQT 0009	E-666 - 8.0 MMBTU/hr Line Heater	5	953	2		20	850
EQT 0010	M-710 - 4.5 MMBTU/hr TEG Reboiler	3	536	2		20	850
EQT 0011	M-720 - 4.5 MMBTU/hr TEG Reboiler	3	536	2		20	850
EQT 0012	M-730 - 4.5 MMBTU/hr TEG Reboiler	3	536	2		20	850
EQT 0013	G-100 - 7724 HP Caterpillar G16-CM34 Engine	.28	21000	4		40	660
EQT 0014	G-200 - 7724 HP Caterpillar G16-CM34 Engine	.28	21000	4		40	660
EQT 0015	G-300 - 7724 HP Caterpillar G16-CM34 Engine	.28	21000	4		40	660
EQT 0016	G-400 - 7724 HP Caterpillar G16-CM34 Engine	.28	21000	4		40	660
EQT 0017	G-500 - 7805 HP Caterpillar G16-CM34 Engine	.48	36515	4		40	713
EQT 0018	G-600 - 7805 HP Caterpillar G16-CM34 Engine	.48	36515	4		40	713
EQT 0020	D-770 - 400 BBL Condensate Storage Tank	.01	.01	.5		20	68
EQT 0021	D-780 - 400 BBL TEG Storage Tank	.01	.01	.5		20	68
EQT 0022	D-940 - 400 BBL Slop Water Storage Tank	.01	.01	.5		20	68
EQT 0023	D-700 - 400 BBL Diesel Storage Tank	.5	.01	.5		24	68
EQT 0024	D-790 - 400 BBL Diesel Storage Tank	.01	.01	.5		20	68
EQT 0025	G-700 - 7805 HP Caterpillar G16-CM34 Engine	.48	36515	4		40	713
EQT 0026	G-800 - 7805 HP Caterpillar G16-CM34 Engine	.48	36515	4		40	713
EQT 0027	G-900 - 4735 HP Caterpillar G3616 Engine	.48	36515	4		40	713
EQT 0028	G-1000 - 4735 HP Caterpillar G3616 Engine	.48	36515	4		40	713
EQT 0029	G-1100 - 4735 HP Caterpillar G3616 Engine	.48	36515	4		40	713
EQT 0030	G-1200 - 4735 HP Caterpillar G3616 Engine	.48	36515	4		40	713
EOT 0031	D-960 - 400 BBL MEOH Storage Tank	.5	.01	.5		20	68
EQT 0032	D-690A - Aqueous NH3 (17%) Storage Tank	.5	.01	.5		24	68
EQT 0033	D-690B - Aqueous NH3 (17%) Storage Tank	.5	.01	.5		24	68
FUG 0002	FLASH-01 - Condensate Flash Emissions	.03	.3	.5		20	68

## Relationships:

ID	Description	ID	Description
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**INVENTORIES**

All ID: 123347 - Pine Prairie Energy Center LLC - Pine Prairie Energy Center  
 Activity Number: PER20090001  
 Permit Number: 0920-00059-V1  
 Air - Title V Regular Permit Minor Mod

**Relationships:**

ID	Description	Relationship	ID	Description
EQT 0001	BTEX-01 - Condenser/Oxidizer for TEG Still Vent Emissions	Controls emissions from	EQT 0004	M-710SV - Dehydration Plant Still Vent
EQT 0002	BTEX-02 - Condenser/Oxidizer for TEG Still Vent Emissions	Controls emissions from	EQT 0005	M-720SV - Dehydration Plant Still Vent
EQT 0003	BTEX-03 - Condenser/Oxidizer for TEG Still Vent Emissions	Controls emissions from	EQT 0006	M-730SV - Dehydration Plant Still Vent

**Subject Item Groups:**

ID	Group Type	Group Description
GRP 0001	Equipment Group	BUEC - BTEX Units Emissions Cap
GRP 0002	Equipment Group	REC - Reboilers Emissions Cap
GRP 0003	Equipment Group	LHEC - Line Heaters Emissions Cap
GRP 0004	Equipment Group	CEEC - Compressor Engines Emissions Cap
UNF 0001	Unit or Facility Wide	UNF1 - Entire Facility

**Group Membership:**

ID	Description	Member of Groups
EQT 0001	BTEX-01 - Condenser/Oxidizer for TEG Still Vent Emissions	GRP0000000001
EQT 0002	BTEX-02 - Condenser/Oxidizer for TEG Still Vent Emissions	GRP0000000001
EQT 0003	BTEX-03 - Condenser/Oxidizer for TEG Still Vent Emissions	GRP0000000001
EQT 0007	E-662 - 8.0 MMBTU/hr Line Heater	GRP0000000003
EQT 0008	E-664 - 8.0 MMBTU/hr Line Heater	GRP0000000003
EQT 0009	E-666 - 8.0 MMBTU/hr Line Heater	GRP0000000003
EQT 0010	M-710 - 4.5 MMBTU/hr TEG Reboiler	GRP0000000002
EQT 0011	M-720 - 4.5 MMBTU/hr TEG Reboiler	GRP0000000002
EQT 0012	M-730 - 4.5 MMBTU/hr TEG Reboiler	GRP0000000002
EQT 0013	G-100 - 7724 HP Caterpillar G16-CM34 Engine	GRP0000000004
EQT 0014	G-200 - 7724 HP Caterpillar G16-CM34 Engine	GRP0000000004
EQT 0015	G-300 - 7724 HP Caterpillar G16-CM34 Engine	GRP0000000004
EQT 0016	G-400 - 7724 HP Caterpillar G16-CM34 Engine	GRP0000000004
EQT 0017	G-500 - 7805 HP Caterpillar G16-CM34 Engine	GRP0000000004
EQT 0018	G-600 - 7805 HP Caterpillar G16-CM34 Engine	GRP0000000004
EQT 0025	G-700 - 7805 HP Caterpillar G16-CM34 Engine	GRP0000000004
EQT 0026	G-800 - 7805 HP Caterpillar G16-CM34 Engine	GRP0000000004
EQT 0027	G-900 - 4735 HP Caterpillar G3616 Engine	GRP0000000004
EQT 0028	G-1000 - 4735 HP Caterpillar G3616 Engine	GRP0000000004
EQT 0029	G-1100 - 4735 HP Caterpillar G3616 Engine	GRP0000000004
EQT 0030	G-1200 - 4735 HP Caterpillar G3616 Engine	GRP0000000004

NOTE: The UNF group relationship is not printed in this table. Every subject item is a member of the UNF group

**INVENTORIES**

AI ID: 123347 - Pine Prairie Energy Center LLC - Pine Prairie Energy Center  
 Activity Number: PER20090001  
 Permit Number: 0920-00059-V1  
 Air - Title V Regular Permit Minor Mod

**Annual Maintenance Fee:**

Fee Number		Air Contaminant Source	Multiplier	Units Of Measure
1450	1450 Recip. Nat Gas Comp (20,000 to 50,000 H.P.)	481.98	100 hp	

**SIC Codes:**

4922	Natural gas transmission	AI 123347
4922	Natural gas transmission	UNF 001

**EMISSION RATES FOR CRITERIA POLLUTANTS**

AI ID: 1233347 - Pine Prairie Energy Center LLC - Pine Prairie Energy Center

Activity Number: PER20090001

Permit Number: 0920-00059-Y1

Air - Title V Regular Permit Minor Mod

Subject Item	CO			NOx			PM10			SO2			VOC			
	Avg lb/hr	Max lb/hr	Tons/Year													
<b>Entire Facility</b>																
EQT 0001 BTEX-01	14.03	14.03	1.64			0.03			0.02			0.02			0.77	
EQT 0002 BTEX-02	14.03	14.03	1.64			0.03			0.02			0.02			0.77	
EQT 0003 BTEX-03	14.03	14.03	1.64			0.03			0.02			0.02			0.77	
EQT 0007 E-682	0.65	0.65	0.77			0.06			0.01			0.01			0.04	
EQT 0008 E-684	0.65	0.65	0.77			0.06			0.01			0.01			0.04	
EQT 0009 E-686	0.65	0.65	0.77			0.06			0.01			0.01			0.04	
EQT 0010 M-710	0.36	0.36	0.43			0.03			0.004			0.004			0.02	
EQT 0011 M-720	0.36	0.36	0.43			0.03			0.004			0.004			0.02	
EQT 0012 M-730	0.36	0.36	0.43			0.03			0.004			0.004			0.02	
EQT 0013 G-100	2.71	2.71	15.31			0.004			0.03			0.03			3.47	
EQT 0014 G-200	2.71	2.71	15.31			0.004			0.03			0.03			3.47	
EQT 0015 G-300	2.71	2.71	15.31			0.004			0.03			0.03			3.47	
EQT 0016 G-400	2.71	2.71	15.31			0.004			0.03			0.03			3.47	
EQT 0017 G-500	2.97	2.97	1.44			0.004			0.03			0.03			3.09	
EQT 0018 G-600	2.97	2.97	1.44			0.004			0.03			0.03			3.09	
EQT 0020 D-770													0.09	112.93	0.38	
EQT 0021 D-780													<0.001	<0.001	<0.001	
EQT 0022 G-700	2.97	2.97	14.44			0.004			0.03			0.03			3.09	
EQT 0023 G-800	2.97	2.97	14.44			0.004			0.03			0.03			3.09	
EQT 0027 G-900	2.50	2.50	8.76	<0.01						0.02			0.02			3.94

**EMISSION RATES FOR CRITERIA POLLUTANTS**

AI ID: 123347 - Pine Prairie Energy Center LLC - Pine Prairie Energy Center

Activity Number: PER20090001

Permit Number: 0920-000059-V1

Air - Title V Regular Permit Minor Mod

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year												
<b>Entire Facility</b>															
EQT 0028 G-1000	2.50			8.76			<0.01			0.02					3.94
EQT 0029 G-1100	2.50			8.76			<0.01			0.02					3.94
EQT 0030 G-1200	2.50			8.76			<0.01			0.02					3.94
EQT 0031 G-900													0.02	0.02	0.09
FUG 0001 F-01													0.59	0.59	2.60
FUG 0002 FLASH-01													4.20	4.20	18.39
FUG 0003 L-D-770													119.39	119.39	0.59
FUG 0004 L-D-960													9.47	9.47	0.14
FUG 0005 L-D-930													0.46	0.46	0.05
FUG 0006 L-D-780													0.004	0.004	<0.001
FUG 0007 L-D-940													0.01	0.01	<0.001
GRP 0001 EUEC	27.85			121.98	3.25		14.22	0.05		0.22	0.03		0.13	1.55	
GRP 0002 REC	0.72			3.16	0.86		3.76	0.07		0.29	0.01		0.03	0.04	0.18
GRP 0003 LHEC	0.65			0.68	0.77		0.81	0.06		0.06	0.01		0.04	0.04	
GRP 0004 CEEC	27.28			77.68	106.72		303.82	0.04		0.11	0.29		0.84	35.03	99.72

**Note:** Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 123347 - Pine Prairie Energy Center LLC - Pine Prairie Energy Center  
 Activity Number: PER20090001  
 Permit Number: 0920-00059-V1  
 Air - Title V Regular Permit Minor Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0001 BTEX-01	Benzene		0.060	
	Ethyl benzene		0.08	
	Methanol		0.08	
	Toluene		0.06	
	Xylene (mixed isomers)		0.20	
	n-Hexane		0.08	
EQT 0002 BTEX-02	Benzene		0.060	
	Ethyl benzene		0.08	
	Methanol		0.08	
	Toluene		0.06	
	Xylene (mixed isomers)		0.20	
	n-Hexane		0.08	
EQT 0003 BTEX-03	Benzene		0.060	
	Ethyl benzene		0.08	
	Methanol		0.08	
	Toluene		0.06	
	Xylene (mixed isomers)		0.20	
	n-Hexane		0.08	
EQT 0007 E-662	Benzene		0.003	
	Formaldehyde		0.01	
	Toluene		0.002	
	n-Hexane		0.001	
EOT 0008 E-664	Benzene		0.003	
	Formaldehyde		0.01	
	Toluene		0.002	
	n-Hexane		0.001	
EQT 0009 E-666	Benzene		0.003	
	Formaldehyde		0.01	
	Toluene		0.002	
	n-Hexane		0.001	
EQT 0010 M-710	Benzene		0.002	
	Formaldehyde		0.004	
	Toluene		0.001	

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 123347 - Pine Prairie Energy Center LLC - Pine Prairie Energy Center  
 Activity Number: PER20090001  
 Permit Number: 0920-00059-V1  
 Air - Title V Regular Permit Minor Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0010 M-710	n-Hexane		0.001	
EQT 0011 M-720	Benzene		0.002	
	Formaldehyde		0.004	
	Toluene		0.001	
	n-Hexane		0.001	
EQT 0012 M-730	Benzene		0.002	
	Formaldehyde		0.004	
	Toluene		0.001	
	n-Hexane		0.001	
EQT 0013 G-100	Acetaldehyde		0.23	
	Acrolein		0.140	
	Benzene		0.010	
	Formaldehyde		0.12	
	Methanol		0.07	
	Toluene		0.01	
	Xylene (mixed isomers)		0.005	
	n-Hexane		0.03	
EQT 0014 G-200	Acetaldehyde		0.23	
	Acrolein		0.140	
	Benzene		0.010	
	Formaldehyde		0.12	
	Methanol		0.07	
	Toluene		0.01	
	Xylene (mixed isomers)		0.005	
	n-Hexane		0.03	
EQT 0015 G-300	Acetaldehyde		0.23	
	Acrolein		0.140	
	Benzene		0.010	
	Formaldehyde		0.12	
	Methanol		0.07	
	Toluene		0.01	
	Xylene (mixed isomers)		0.005	
	n-Hexane		0.03	

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

**AI ID: 123347 - Pine Prairie Energy Center LLC - Pine Prairie Energy Center**  
**Activity Number: PER20090001**  
**Permit Number: 0920-00059-V1**  
**Air - Title V Regular Permit Minor Mod**

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0016 G-400	Acetaldehyde		0.23	
	Acrolein		0.140	
	Benzene		0.010	
	Formaldehyde		0.12	
	Methanol		0.07	
	Toluene		0.01	
	Xylene (mixed isomers)		0.005	
	n-Hexane		0.03	
EQT 0017 G-500	Acetaldehyde		0.23	
	Acrolein		0.140	
	Ammonia		0.590	
	Benzene		0.010	
	Formaldehyde		0.12	
	Methanol		0.07	
	Toluene		0.01	
	Xylene (mixed isomers)		0.01	
EQT 0018 G-600	n-Hexane		0.03	
	Acetaldehyde		0.23	
	Acrolein		0.140	
	Ammonia		0.59	
	Benzene		0.010	
	Formaldehyde		0.12	
	Methanol		0.07	
	Toluene		0.01	
EOT 0020 D-770	Xylene (mixed isomers)		0.01	
	n-Hexane	0.005	6.56	0.02
EOT 0025 G-700	Acetaldehyde		0.23	
	Acrolein		0.140	
	Benzene		0.010	
	Formaldehyde		0.12	
	Methanol		0.07	
	Toluene		0.01	

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 123347 - Pine Prairie Energy Center LLC - Pine Prairie Energy Center  
 Activity Number: PER20090001  
 Permit Number: 0920-00059-V1  
 Air - Title V Regular Permit Minor Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0025 G-700	Xylene (mixed isomers)		0.01	
	n-Hexane		0.03	
EQT 0026 G-800	Acetaldehyde		0.23	
	Acrolein		0.140	
	Benzene		0.010	
	Formaldehyde		0.12	
	Methanol		0.07	
	Toluene		0.01	
	Xylene (mixed isomers)		0.01	
	n-Hexane		0.03	
EQT 0027 G-900	Acetaldehyde		0.16	
	Acrolein		0.100	
	Benzene		0.010	
	Formaldehyde		0.26	
	Methanol		0.05	
	Toluene		0.01	
	Xylene (mixed isomers)		0.004	
	n-Hexane		0.02	
EQT 0028 G-1000	Acetaldehyde		0.16	
	Acrolein		0.100	
	Benzene		0.010	
	Formaldehyde		0.26	
	Methanol		0.05	
	Toluene		0.01	
	Xylene (mixed isomers)		0.004	
	n-Hexane		0.02	
EQT 0029 G-1100	Acetaldehyde		0.16	
	Acrolein		0.100	
	Benzene		0.010	
	Formaldehyde		0.26	
	Methanol		0.05	
	Toluene		0.01	
	Xylene (mixed isomers)		0.004	

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 123347 - Pine Prairie Energy Center LLC - Pine Prairie Energy Center

Activity Number: PER20090001

Permit Number: 0920-00059-V1

Air - Title V Regular Permit Minor Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0029 G-1100	n-Hexane		0.02	
EQT 0030 G-1200	Acetaldehyde		0.16	
	Acrolein		0.100	
	Benzene		0.010	
	Formaldehyde		0.26	
	Methanol		0.05	
	Toluene		0.01	
	Xylene (mixed isomers)		0.004	
	n-Hexane		0.02	
EQT 0031 D-960	Methanol	0.02	0.02	0.09
EQT 0032 D-690A	Ammonia	0.08	0.08	0.37
EQT 0033 D-690B	Ammonia	0.08	0.08	0.37
FUG 0001 F-01	n-Hexane	<0.08	0.08	0.35
FUG 0002 FLASH-01	n-Hexane	0.25	0.25	1.10
FUG 0003 L-D-770	n-Hexane	6.99	6.99	0.03
FUG 0004 L-D-960	Methanol	9.47	9.47	0.14
GRP 0001 BUEC	Benzene	0.119		0.522
	Ethyl benzene	0.16		0.70
	Methanol	0.15		0.66
	Toluene	0.13		0.56
	Xylene (mixed isomers)	0.41		1.77
	n-Hexane	0.16		0.71
GRP 0002 REC	Benzene	0.004		0.017
	Formaldehyde	0.01		0.04
	Toluene	0.002		0.01
GRP 0003 LHEC	Benzene	0.003		0.004
	Formaldehyde	0.01		0.01
	Toluene	0.002		0.002
	n-Hexane	0.001		0.001
GRP 0004 CEEC	Acetaldehyde	2.06		5.85
	Acrolein	1.260		3.600
	Ammonia	0.98		2.78
	Benzene	0.110		0.310

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 123347 - Pine Prairie Energy Center LLC - Pine Prairie Energy Center

Activity Number: PER20090001

Permit Number: 0920-00059-V1

Air - Title V Regular Permit Minor Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
GRP 0004 CEEC	Formaldehyde	1.68		4.77
	Methanol	0.61		1.75
	Toluene	0.10		0.29
	Xylene (mixed isomers)	0.05		0.13
	n-Hexane	0.27		0.78
UNF 0001 UNF1	Acetaldehyde			5.85
	Acrolein			3.600
	Ammonia			3.52
	Benzene			0.853
	Ethyl benzene			0.70
	Formaldehyde			4.82
	Methanol			2.64
	Toluene			0.86
	Xylene (mixed isomers)			1.90
	n-Hexane			2.99

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote. Emission rates attributed to the UNF reflect the sum of the TAP/HAP limits of the individual emission points (or caps) under this permit, but do not constitute an emission cap.

**SPECIFIC REQUIREMENTS**

AI ID: 123347 - Pine Prairie Energy Center LLC - Pine Prairie Energy Center

Activity Number: PER20090001

Permit Number: 0920-0059-V1

Air - Title V Regular Permit Minor Mod

**EQT 0001 BTEX-01 - Condenser/Oxidizer for TEG Still Vent Emissions**

1 [LAC 33:III.1101.B]  
 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: None specified

Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: Six-minute average VOC, Total >= 85 % reduction. Demonstrate percent reduction using the methods found in LAC 33:III.2116.D.

Which Months: All Year Statistical Basis: None specified

Determine compliance with LAC 33:III.2116.B using the methods in LAC 33:III.2116.D.1-5, as appropriate.

Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of the information specified in LAC 33:III.2116.F.1 and 2.

**EQT 0002 BTEX-02 - Condenser/Oxidizer for TEG Still Vent Emissions**

3 [LAC 33:III.2116.B.2]  
 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: None specified

Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: Six-minute average VOC, Total >= 85 % reduction. Demonstrate percent reduction using the methods found in LAC 33:III.2116.D.

Which Months: All Year Statistical Basis: None specified

Determine compliance with LAC 33:III.2116.B using the methods in LAC 33:III.2116.D.1-5, as appropriate.

Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of the information specified in LAC 33:III.2116.F.1 and 2.

**EQT 0003 BTEX-03 - Condenser/Oxidizer for TEG Still Vent Emissions**

6 [LAC 33:III.1101.B]  
 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: None specified

Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: Six-minute average

**SPECIFIC REQUIREMENTS**

AI ID: 123347 - Pine Prairie Energy Center LLC - Pine Prairie Energy Center  
**Activity Number:** PER20090001  
**Permit Number:** 0920-00059-V1  
**Air - Title V Regular Permit Minor Mod**

**EQT 0003 BTEX-03 - Condenser/Oxidizer for TEG Still Vent Emissions**

VOC, Total  $\geq$  85 % reduction. Demonstrate percent reduction using the methods found in LAC 33:III.2116.D.  
 Which Months: All Year Statistical Basis: None specified  
 Determine compliance with LAC 33:III.2116.B using the methods in LAC 33:III.2116.D.1-5, as appropriate.  
 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of the information specified in LAC 33:III.2116.F.1 and 2.

**EQT 0007 E-662 - 8.0 MMBTU/hr Line Heater**

Opacity  $\leq$  20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).  
 Which Months: All Year Statistical Basis: None specified  
 Total suspended particulate  $\leq$  0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel).  
 Which Months: All Year Statistical Basis: None specified

**EQT 0008 E-664 - 8.0 MMBTU/hr Line Heater**

Opacity  $\leq$  20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).  
 Which Months: All Year Statistical Basis: None specified  
 Total suspended particulate  $\leq$  0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel).  
 Which Months: All Year Statistical Basis: None specified

**EQT 0009 E-666 - 8.0 MMBTU/hr Line Heater**

Opacity  $\leq$  20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).  
 Which Months: All Year Statistical Basis: None specified  
 Total suspended particulate  $\leq$  0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel).  
 Which Months: All Year Statistical Basis: None specified

**EQT 0010 M-710 - 4.5 MMBTU/hr TEG Reboiler**

**SPECIFIC REQUIREMENTS**

AI ID: 123347 - Pine Prairie Energy Center LLC - Pine Prairie Energy Center

Activity Number: PER20090001

Permit Number: 0920-00059-V1

Air - Title V Regular Permit Minor Mod

**EQT 0010 M-710 - 4.5 MMBTU/hr TEG Reboiler**

Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).  
 Which Months: All Year Statistical Basis: None specified  
 Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel).

22 [LAC 33:III.1101.B]

Which Months: All Year Statistical Basis: None specified  
 Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel).

**EQT 0011 M-720 - 4.5 MMBTU/hr TEG Reboiler**

Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).  
 Which Months: All Year Statistical Basis: None specified  
 Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel).

24 [LAC 33:III.1101.B]

Which Months: All Year Statistical Basis: None specified  
 Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel).

**EQT 0012 M-730 - 4.5 MMBTU/hr TEG Reboiler**

Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).  
 Which Months: All Year Statistical Basis: None specified  
 Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel).  
 Which Months: All Year Statistical Basis: None specified

**EQT 0013 G-100 - 7724 HP Caterpillar G16-CM34 Engine**

Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).  
 Which Months: All Year Statistical Basis: None specified  
 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).  
 Which Months: All Year Statistical Basis: Six-minute average  
 Equipment/operational data recordkeeping by electronic or hard copy annually. Recorded parameters are NOx, CO and O2 concentrations in the stack gas obtained during annual testing.  
 Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services.

28 [LAC 33:III.1101.B]

29 [LAC 33:III.1311.C]

30 [LAC 33:III.507.H.1.a]

31 [LAC 33:III.507.H.1.a]

**SPECIFIC REQUIREMENTS**

AI ID: 123347 - Pine Prairie Energy Center LLC - Pine Prairie Energy Center

Activity Number: PER20090001

Permit Number: 0920-00059-V1

Air - Title V Regular Permit Minor Mod

**EQT 0013 G-100 - 7724 HP Caterpillar G16-CM34 Engine**

Stack gas concentration: Carbon monoxide monitored by portable analyzer annually (twelve months after the stack test or previous annual test, plus or minus 30 days). Maintain concentrations of CO in the same range as during the initial stack test. Calibrate portable analyzers before each test using a known reference gas sample.

Which Months: All Year Statistical Basis: None specified

Stack gas concentration: Nitrogen oxides monitored by portable analyzer annually (twelve months after the stack test or previous annual test, plus or minus 30 days). Maintain concentrations of NOx in the same range as during the initial stack test. Calibrate portable analyzers before each test using a known reference gas sample.

Which Months: All Year Statistical Basis: None specified

Stack gas concentration: Oxygen monitored by portable analyzer annually (twelve months after the stack test or previous annual test, plus or minus 30 days). Maintain concentrations of O2 in the same range as during the initial stack test. Calibrate portable analyzers before each test using a known reference gas sample.

Which Months: All Year Statistical Basis: None specified

Conduct a performance/emissions test: Due within five years, plus or minus 6 months, of when the previous performance test was performed, or within 180 days after the issuance of a permit renewal, whichever comes later. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Repeat the test after each major engine overhaul. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources and Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III:913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.

Submit notification: Due at least 30 days prior to performance/emissions test to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services, to provide the opportunity to conduct a pretest meeting and observe the emission testing.

**EQT 0014 G-200 - 7724 HP Caterpillar G16-CM34 Engine**

Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or tapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).

Which Months: All Year Statistical Basis: None specified

Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).

Which Months: All Year Statistical Basis: Six-minute average

Stack gas concentration: Oxygen monitored by portable analyzer annually (twelve months after the stack test or previous annual test, plus or minus 30 days). Maintain concentrations of O2 in the same range as during the initial stack test. Calibrate portable analyzers before each test using a known reference gas sample.

Which Months: All Year Statistical Basis: None specified

**SPECIFIC REQUIREMENTS**

AI ID: 123347 - Pine Prairie Energy Center LLC - Pine Prairie Energy Center  
 Activity Number: PER20090001  
 Permit Number: 0920-00059-V1  
 Air - Title V Regular Permit Minor Mod

**EQT 0014 G-200 - 7724 HP Caterpillar G16-CM34 Engine**

- 40 [LAC 33:III.507.H.1.a] Submit notification: Due at least 30 days prior to performance/emissions test to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services, to provide the opportunity to conduct a pretest meeting and observe the emission testing.
- 41 [LAC 33:III.507.H.1.a] Conduct a performance/emissions test: Due within five years, plus or minus 6 months, of when the previous performance test was performed, or within 180 days after the issuance of a permit renewal, whichever comes later. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Repeat the test after each major engine overhaul. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources and Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- Equipment/operational data recordkeeping by electronic or hard copy annually. Recorded parameters are NO<sub>x</sub>, CO and O<sub>2</sub> concentrations in the stack gas obtained during annual testing.
- Stack gas concentration: Carbon monoxide monitored by portable analyzer annually (twelve months after the stack test or previous annual test, plus or minus 30 days). Maintain concentrations of CO in the same range as during the initial stack test. Calibrate portable analyzers before each test using a known reference gas sample.
- Which Months: All Year Statistical Basis: None specified
- Stack gas concentration: Nitrogen oxides monitored by portable analyzer annually (twelve months after the stack test or previous annual test, plus or minus 30 days). Maintain concentrations of NO<sub>x</sub> in the same range as during the initial stack test. Calibrate portable analyzers before each test using a known reference gas sample.
- Which Months: All Year Statistical Basis: None specified
- Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services.

**EQT 0015 G-300 - 7724 HP Caterpillar G16-CM34 Engine**

- 42 [LAC 33:III.507.H.1.a] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).
- 43 [LAC 33:III.507.H.1.a] Which Months: All Year Statistical Basis: None specified
- Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).
- Which Months: All Year Statistical Basis: Six-minute average
- Stack gas concentration: Oxygen monitored by portable analyzer annually (twelve months after the stack test or previous annual test, plus or minus 30 days). Maintain concentrations of O<sub>2</sub> in the same range as during the initial stack test. Calibrate portable analyzers before each test using a known reference gas sample.
- Which Months: All Year Statistical Basis: None specified

**SPECIFIC REQUIREMENTS**

AI ID: 123347 - Pine Prairie Energy Center LLC - Pine Prairie Energy Center  
 Activity Number: PER20090001  
 Permit Number: 0920-00059-V1  
**Air - Title V Regular Permit Minor Mod**

**EQT 0015 G-300 - 7724 HP Caterpillar G16-CM34 Engine**

Stack gas concentration: Carbon monoxide monitored by portable analyzer annually (twelve months after the stack test or previous annual test, plus or minus 30 days). Maintain concentrations of CO in the same range as during the initial stack test. Calibrate portable analyzers before each test using a known reference gas sample.

Which Months: All Year Statistical Basis: None specified

Conduct a performance/emissions test: Due within five years, plus or minus 6 months, of when the previous performance test was performed, or within 180 days after the issuance of a permit renewal, whichever comes later. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Repeat the test after each major engine overhaul. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources and Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III:9.13, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.

Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. Recorded parameters are NOx, CO and O2 concentrations in the stack gas obtained during annual testing.

Submit notification: Due at least 30 days prior to performance/emissions test to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services, to provide the opportunity to conduct a pretest meeting and observe the emission testing. Stack gas concentration: Nitrogen oxides monitored by portable analyzer annually (twelve months after the stack test or previous annual test, plus or minus 30 days). Maintain concentrations of NOx in the same range as during the initial stack test. Calibrate portable analyzers before each test using a known reference gas sample.

Which Months: All Year Statistical Basis: None specified

**EQT 0016 G-400 - 7724 HP Caterpillar G16-CM34 Engine**

Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).

Which Months: All Year Statistical Basis: None specified  
 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).

Which Months: All Year Statistical Basis: Six-minute average  
 Stack gas concentration: Carbon monoxide monitored by portable analyzer annually (twelve months after the stack test or previous annual test, plus or minus 30 days). Maintain concentrations of CO in the same range as during the initial stack test. Calibrate portable analyzers before each test using a known reference gas sample.

Which Months: All Year Statistical Basis: None specified

**SPECIFIC REQUIREMENTS**

AI ID: 123347 - Pine Prairie Energy Center LLC - Pine Prairie Energy Center

Activity Number: PER20090001

Permit Number: 0920-00059-V1

Air - Title V Regular Permit Minor Mod

**EQT 0016 G-400 - 7724 HP Caterpillar G16-CM34 Engine**

§8 [LAC 33:III.507.H.1.a]

Stack gas concentration: Oxygen monitored by portable analyzer annually (twelve months after the stack test or previous annual test, plus or minus 30 days). Maintain concentrations of O<sub>2</sub> in the same range as during the initial stack test. Calibrate portable analyzers before each test using a known reference gas sample.

Which Months: All Year Statistical Basis: None specified

Equipment/operational data recordkeeping by electronic or hard copy annually. Recorded parameters are NO<sub>x</sub>, CO and O<sub>2</sub> concentrations in the stack gas obtained during annual testing.

Stack gas concentration: Nitrogen oxides monitored by portable analyzer annually (twelve months after the stack test or previous annual test, plus or minus 30 days). Maintain concentrations of NO<sub>x</sub> in the same range as during the initial stack test. Calibrate portable analyzers before each test using a known reference gas sample.

Which Months: All Year Statistical Basis: None specified

Submit notification: Due at least 30 days prior to performance/emissions test to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services, to provide the opportunity to conduct a pretest meeting and observe the emission testing. Conduct a performance/emissions test: Due within five years, plus or minus 6 months, of when the previous performance test was performed, or within 180 days after the issuance of a permit renewal, whichever comes later. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Repeat the test after each major engine overhaul. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources and Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.

Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services.

**EQT 0017 G-500 - 7805 HP Caterpillar G16-CM34 Engine**

64 [40 CFR 60.4234]

Operate and maintain stationary SI ICE to achieve the emission standards as required in 40 CFR 60.4233 over the entire life of the engine. Subpart JJJJ.

Permittee may operate using propane for a maximum of 100 hours per year as an alternative fuel solely during emergency operations. Keep records of such use. If propane is used for more than 100 hours per year and the engine is not certified to the emission standards when using propane, conduct a performance test to demonstrate compliance with the emission standards of 40 CFR 60.4233. Subpart JJJJ. [40 CFR 60.4243(e)]

When required by 40 CFR 60 Subpart JJJJ to conduct one or more performance tests, conduct performance tests by following the procedures in 40 CFR 60.4244(a) through (g). Subpart JJJJ.

Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Keep records of the information in 40 CFR 60.4245(a)(1) through (a)(4). Subpart JJJJ. [40 CFR 60.4245(a)] Submit performance test results: Due within 60 days after each test conducted according to 40 CFR 60.4244 has been completed. Subpart JJJJ. [40 CFR 60.4245(d)]

**SPECIFIC REQUIREMENTS**

AI ID: 123347 - Pine Prairie Energy Center LLC - Pine Prairie Energy Center

Activity Number: PER20090001

Permit Number: 0920-00059-V1

Air - Title V Regular Permit Minor Mod

**EQT 0017 G-500 - 7805 HP Caterpillar G16-CM34 Engine**

69 [40 CFR 63.6590(c)]

Meet the requirements of 40 CFR 60 Subpart IIII for compression ignition engines or 40 CFR 60 Subpart JJJ for spark ignition engines. Subpart ZZZZ. [40 CFR 63.6590(c)]

Opacity &lt;= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).

70 [LAC 33:III.1101.B]

Which Months: All Year Statistical Basis: None specified  
Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).

71 [LAC 33:III.1311.C]

Which Months: All Year Statistical Basis: Six-minute average

Olfactory and visual checks for Ammonia shall be made once per day within the operating area. No later than one hour following detection of a leak, permittee shall locate and isolate the leak and use a leak collection/containment system to control the leak until repair or replacement can be made. Within 24 hours of detection of a leak, plant personnel shall commence repair or replacement of the leaking component as appropriate.

**EQT 0018 G-600 - 7805 HP Caterpillar G16-CM34 Engine**

73 [40 CFR 60.4234]

Operate and maintain stationary SI ICE to achieve the emission standards as required in 40 CFR 60.4233 over the entire life of the engine. Subpart JJJ.

Permittee may operate using propane for a maximum of 100 hours per year as an alternative fuel solely during emergency operations. Keep records of such use. If propane is used for more than 100 hours per year and the engine is not certified to the emission standards when using propane, conduct a performance test to demonstrate compliance with the emission standards of 40 CFR 60.4233. Subpart JJJ. [40 CFR 60.4243(e)]

When required by 40 CFR 60 Subpart JJJ to conduct one or more performance tests, conduct performance tests by following the procedures in 40 CFR 60.4244(a) through (g). Subpart JJJ.

Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Keep records of the information in 40 CFR 60.4245(a)(1) through (a)(4). Subpart JJJ. [40 CFR 60.4245(a)]

Submit performance test results: Due within 60 days after each test conducted according to 40 CFR 60.4244 has been completed. Subpart JJJ. [40 CFR 60.4245(d)]

Meet the requirements of 40 CFR 60 Subpart IIII for compression ignition engines or 40 CFR 60 Subpart JJJ for spark ignition engines. Subpart ZZZZ. [40 CFR 63.6590(c)]

Opacity &lt;= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).

78 [40 CFR 63.6590(c)]

Which Months: All Year Statistical Basis: None specified  
Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).

79 [LAC 33:III.1101.B]

Which Months: All Year Statistical Basis: Six-minute average

**SPECIFIC REQUIREMENTS**

AI ID: 123347 - Pine Prairie Energy Center LLC - Pine Prairie Energy Center

Activity Number: PER20090001

Permit Number: 0920-00059-V1

Air - Title V Regular Permit Minor Mod

**EQT 0018 G-600 - 7805 HP Caterpillar G16-CM34 Engine**

81 [LAC 33:III.507.H.1.a]

Olfactory and visual checks for Ammonia shall be made once per day within the operating area. No later than one hour following detection of a leak, permittee shall locate and isolate the leak and use a leak collection/containment system to control the leak until repair or replacement can be made. Within 24 hours of detection of a leak, plant personnel shall commence repair or replacement of the leaking component as appropriate.

**EQT 0025 G-700 - 7805 HP Caterpillar G16-CM34 Engine**

82 [40 CFR 60.4234] Operate and maintain stationary SI ICE to achieve the emission standards as required in 40 CFR 60.4233 over the entire life of the engine.  
Subpart JJJ.

Permittee may operate using propane for a maximum of 100 hours per year as an alternative fuel solely during emergency operations. Keep records of such use. If propane is used for more than 100 hours per year and the engine is not certified to the emission standards when using propane, conduct a performance test to demonstrate compliance with the emission standards of 40 CFR 60.4233. Subpart JJJ. [40 CFR 60.4243(e)]

Air-to-fuel ratio controller: Maintain and operate appropriately in order to ensure proper operation of the engine and control device to minimize emissions at all times. Subpart JJJ. [40 CFR 60.4243(g)]  
When required by 40 CFR 60 Subpart JJJ to conduct one or more performance tests, conduct performance tests by following the procedures in 40 CFR 60.4244(a) through (g). Subpart JJJ.

Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Keep records of the information in 40 CFR 60.4245(a)(1) through (a)(4). Subpart JJJ. [40 CFR 60.4245(a)]  
Submit performance test results: Due within 60 days after each test conducted according to 40 CFR 60.4244 has been completed. Subpart JJJ. [40 CFR 60.4245(d)]

Meet the requirements of 40 CFR 60 Subpart III for compression ignition engines or 40 CFR 60 Subpart JJJ for spark ignition engines.  
Subpart ZZZZ. [40 CFR 63.6590(c)]  
Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).  
Which Months: All Year Statistical Basis: None specified  
Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).

Which Months: All Year Statistical Basis: Six-minute average  
Stack gas concentration: Carbon monoxide monitored by portable analyzer annually (twelve months after the stack test or previous annual test, plus or minus 30 days). Maintain concentrations of CO in the same range as during the initial stack test. Calibrate portable analyzers before each test using a known reference gas sample.  
Which Months: All Year Statistical Basis: None specified

**EQT 0026 G-800 - 7805 HP Caterpillar G16-CM34 Engine**

89 [LAC 33:III.1101.B]  
90 [LAC 33:III.1311.C]  
91 [LAC 33:III.507.H.1.a]

**SPECIFIC REQUIREMENTS**

AI ID: 123347 - Pine Prairie Energy Center LLC - Pine Prairie Energy Center

Activity Number: PER20090001

Permit Number: 0920-00059-V1

Air - Title V Regular Permit Minor Mod

**EQT 0026 G-800 - 7805 HP Caterpillar G16-CM34 Engine**

- Operate and maintain stationary SI ICE to achieve the emission standards as required in 40 CFR 60.4233 over the entire life of the engine.  
Subpart JJJ.
- Permittee may operate using propane for a maximum of 100 hours per year as an alternative fuel solely during emergency operations. Keep records of such use. If propane is used for more than 100 hours per year and the engine is not certified to the emission standards when using propane, conduct a performance test to demonstrate compliance with the emission standards of 40 CFR 60.4233. Subpart JJJ. [40 CFR 60.4243(e)]
- Air-to-fuel ratio controller: Maintain and operate appropriately in order to ensure proper operation of the engine and control device to minimize emissions at all times. Subpart JJJ. [40 CFR 60.4243(g)]
- When required by 40 CFR 60 Subpart JJJ to conduct one or more performance tests, conduct performance tests by following the procedures in 40 CFR 60.4244(a) through (g). Subpart JJJ.
- Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Keep records of the information in 40 CFR 60.4245(a)(1) through (a)(4). Subpart JJJ. [40 CFR 60.4245(a)]
- Submit performance test results: Due within 60 days after each test conducted according to 40 CFR 60.4244 has been completed. Subpart JJJ. [40 CFR 60.4245(d)]
- Meet the requirements of 40 CFR 60 Subpart III for compression ignition engines or 40 CFR 60 Subpart JJJ for spark ignition engines.  
Subpart ZZZZ. [40 CFR 63.6590(c)]
- Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).  
Which Months: All Year Statistical Basis: None specified  
Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).  
Which Months: All Year Statistical Basis: Six-minute average

**EQT 0027 G-900 - 4735 HP Caterpillar G3616 Engine**

- Operate and maintain stationary SI ICE to achieve the emission standards as required in 40 CFR 60.4233 over the entire life of the engine.  
Subpart JJJ.
- Permittee may operate using propane for a maximum of 100 hours per year as an alternative fuel solely during emergency operations. Keep records of such use. If propane is used for more than 100 hours per year and the engine is not certified to the emission standards when using propane, conduct a performance test to demonstrate compliance with the emission standards of 40 CFR 60.4233. Subpart JJJ. [40 CFR 60.4243(e)]
- Air-to-fuel ratio controller: Maintain and operate appropriately in order to ensure proper operation of the engine and control device to minimize emissions at all times. Subpart JJJ. [40 CFR 60.4243(g)]
- When required by 40 CFR 60 Subpart JJJ to conduct one or more performance tests, conduct performance tests by following the procedures in 40 CFR 60.4244(a) through (g). Subpart JJJ.

**SPECIFIC REQUIREMENTS**

AI ID: 123347 - Pine Prairie Energy Center LLC - Pine Prairie Energy Center  
**Activity Number:** PER20090001  
**Permit Number:** 0920-00059-V1  
**Air - Title V Regular Permit Minor Mod**

**EQT 0027 G-900 - 4735 HP Caterpillar G3616 Engine**

- 105 [40 CFR 60.4245(a)] Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Keep records of the information in 40 CFR 60.4245(a)(1) through (a)(4). Subpart JJJ. [40 CFR 60.4245(a)]  
 Submit performance test results: Due within 60 days after each test conducted according to 40 CFR 60.4244 has been completed. Subpart JJJJ.  
 [40 CFR 60.4245(d)]  
 Meet the requirements of 40 CFR 60 Subpart IIII for compression ignition engines or 40 CFR 60 Subpart JJJJ for spark ignition engines.  
 Subpart ZZZZ. [40 CFR 63.6590(c)]
- 106 [40 CFR 60.4245(d)] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).  
 Which Months: All Year Statistical Basis: None specified
- 107 [40 CFR 63.6590(c)] Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).  
 Which Months: All Year Statistical Basis: Six-minute average
- 108 [LAC 33.III.1101.B]
- 109 [LAC 33.III.1311.C]

**EQT 0028 G-1000 - 4735 HP Caterpillar G3616 Engine**

- 110 [40 CFR 60.4243] Operate and maintain stationary SI ICE to achieve the emission standards as required in 40 CFR 60.4233 over the entire life of the engine.  
 Subpart JJJJ.
- 111 [40 CFR 60.4243(e)] Permittee may operate using propane for a maximum of 100 hours per year as an alternative fuel solely during emergency operations. Keep records of such use. If propane is used for more than 100 hours per year and the engine is not certified to the emission standards when using propane, conduct a performance test to demonstrate compliance with the emission standards of 40 CFR 60.4233. Subpart JJJ. [40 CFR 60.4243(e)]
- 112 [40 CFR 60.4243(g)] Air-to-fuel ratio controller: Maintain and operate appropriately in order to ensure proper operation of the engine and control device to minimize emissions at all times. Subpart JJJ. [40 CFR 60.4243(g)]  
 When required by 40 CFR 60 Subpart JJJ to conduct one or more performance tests, conduct performance tests by following the procedures in 40 CFR 60.4244(a) through (g). Subpart JJJ.
- 113 [40 CFR 60.4244] Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Keep records of the information in 40 CFR 60.4245(a)(1) through (a)(4). Subpart JJJ. [40 CFR 60.4245(a)]  
 Submit performance test results: Due within 60 days after each test conducted according to 40 CFR 60.4244 has been completed. Subpart JJJJ.  
 [40 CFR 60.4245(d)]  
 Meet the requirements of 40 CFR 60 Subpart IIII for compression ignition engines or 40 CFR 60 Subpart JJJJ for spark ignition engines.  
 Subpart ZZZZ. [40 CFR 63.6590(c)]
- 114 [40 CFR 60.4245(a)] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).  
 Which Months: All Year Statistical Basis: None specified
- 115 [40 CFR 60.4245(d)]
- 116 [40 CFR 63.6590(c)]
- 117 [LAC 33.III.1101.B]

**SPECIFIC REQUIREMENTS**

AI ID: 123347 - Pine Prairie Energy Center LLC - Pine Prairie Energy Center

Activity Number: PER20090001

Permit Number: 0920-00059-V1

Air - Title V Regular Permit Minor Mod

**EQT 0028 G-1000 - 4735 HP Caterpillar G3616 Engine**

118 [LAC 33:III.1311.C]

Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).  
 Which Months: All Year Statistical Basis: Six-minute average

**EQT 0029 G-1100 - 4735 HP Caterpillar G3616 Engine**

119 [40 CFR 60.4234]

Operate and maintain stationary SI ICE to achieve the emission standards as required in 40 CFR 60.4233 over the entire life of the engine.  
 Subpart JJJ.

Permittee may operate using propane for a maximum of 100 hours per year as an alternative fuel solely during emergency operations. Keep records of such use. If propane is used for more than 100 hours per year and the engine is not certified to the emission standards when using propane, conduct a performance test to demonstrate compliance with the emission standards of 40 CFR 60.4233. Subpart JJJ. [40 CFR 60.4243(e)]

Air-to-fuel ratio controller: Maintain and operate appropriately in order to ensure proper operation of the engine and control device to minimize emissions at all times. Subpart JJJ. [40 CFR 60.4243(g)]

When required by 40 CFR 60 Subpart JJJ to conduct one or more performance tests, conduct performance tests by following the procedures in 40 CFR 60.4244(a) through (g). Subpart JJJ.

Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Keep records of the information in 40 CFR 60.4245(a)(1) through (a)(4). Subpart JJJ. [40 CFR 60.4245(a)]

Submit performance test results: Due within 60 days after each test conducted according to 40 CFR 60.4244 has been completed. Subpart JJJ. [40 CFR 60.4245(d)]

Meet the requirements of 40 CFR 60 Subpart III for compression ignition engines or 40 CFR 60 Subpart JJJ for spark ignition engines.  
 Subpart ZZZZ. [40 CFR 63.6590(c)]

Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).  
 Which Months: All Year Statistical Basis: None specified

Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).  
 Which Months: All Year Statistical Basis: Six-minute average

**EQT 0030 G-1200 - 4735 HP Caterpillar G3616 Engine**

128 [40 CFR 60.4234]

Operate and maintain stationary SI ICE to achieve the emission standards as required in 40 CFR 60.4233 over the entire life of the engine.  
 Subpart JJJ.

**SPECIFIC REQUIREMENTS****AI ID: 123347 - Pine Prairie Energy Center LLC - Pine Prairie Energy Center**

Activity Number: PER20090001  
 Permit Number: 0920-00059-V1  
 Air - Title V Regular Permit Minor Mod

**EQT 0030 G-1200 - 4735 HP Caterpillar G3616 Engine**

- 129 [40 CFR 60.4243(e)] Permittee may operate using propane for a maximum of 100 hours per year as an alternative fuel solely during emergency operations. Keep records of such use. If propane is used for more than 100 hours per year and the engine is not certified to the emission standards when using propane, conduct a performance test to demonstrate compliance with the emission standards of 40 CFR 60.4233. Subpart JJJ. [40 CFR 60.4243(e)]
- 130 [40 CFR 60.4243(g)] Air-to-fuel ratio controller: Maintain and operate appropriately in order to ensure proper operation of the engine and control device to minimize emissions at all times. Subpart JJJ. [40 CFR 60.4243(g)]
- 131 [40 CFR 60.4244] When required by 40 CFR 60 Subpart JJJ to conduct one or more performance tests, conduct performance tests by following the procedures in 40 CFR 60.4244(a) through (g). Subpart JJJ.
- 132 [40 CFR 60.4245(a)] Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Keep records of the information in 40 CFR 60.4245(a)(1) through (a)(4). Subpart JJJ. [40 CFR 60.4245(a)]
- 133 [40 CFR 60.4245(d)] Submit performance test results: Due within 60 days after each test conducted according to 40 CFR 60.4244 has been completed. Subpart JJJ. [40 CFR 60.4245(d)]
- 134 [40 CFR 63.6590(c)] Meet the requirements of 40 CFR 60 Subpart IIII for compression ignition engines or 40 CFR 60 Subpart JJJ for spark ignition engines. Subpart ZZZZ. [40 CFR 63.6590(c)]
- 135 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).
- 136 [LAC 33:III.1311.C] Which Months: All Year Statistical Basis: None specified Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). Which Months: All Year Statistical Basis: Six-minute average

**EQT 0031 D-960 - 400 BBL MEOH Storage Tank**

- 137 [LAC 33:III.2103.A] Equip with a submerged fill pipe.
- 138 [LAC 33:III.2103.H.3] Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-c.
- 139 [LAC 33:III.2103.I] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.

**FUG 0004 L-D-960 - MEOH Loading**

- 140 [LAC 33:III.2107.D.1] VOC, Total: Throughput recordkeeping by electronic or hard copy daily.

**GRP 0001 BUEC - BTEX Units Emissions Cap**

Group Members: EQT 0001 EQT 0002 EQT 0003

**SPECIFIC REQUIREMENTS**

AI ID: 123347 - Pine Prairie Energy Center LLC - Pine Prairie Energy Center  
**Activity Number:** PER20090001  
**Permit Number:** 0920-00059-V1  
**Air - Title V Regular Permit Minor Mod**

**GRP 0001 BUEC - BTEX Units Emissions Cap**

- 141 [LAC 33:II.501.C.6] Operating time <= 17388 hr/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the combined operating time for sources EQT1, EQT2, and EQT3 exceeds the maximum listed in this specific condition for any twelve consecutive month period.  
 Which Months: All Year Statistical Basis: Annual maximum  
 Operating time monitored by hour/time monitor continuously.  
 Which Months: All Year Statistical Basis: Annual maximum  
 Submit report: Due annually, by the 31st of March. Report the combined operating time for sources EQT1, EQT2, and EQT3 for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division.
- 142 [LAC 33:II.507.H.1.a] Operating time recordkeeping by electronic or hard copy monthly. Keep records of the combined operating time for sources EQT1, EQT2, and EQT3 each month, as well as the combined operating time for sources EQT1, EQT2, and EQT3 for the last twelve months. Make records available for inspection by DEQ personnel.
- 143 [LAC 33:II.507.H.1.a]
- 144 [LAC 33:II.507.H.1.a]

**GRP 0002 REC - Reboilers Emissions Cap**

Group Members: EQT 0010EQT 0011EQT 0012

- 145 [LAC 33:II.501.C.6] Operating time <= 17388 hr/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the combined operating time for sources EQT10, EQT11, and EQT12 exceeds the maximum listed in this specific condition for any twelve consecutive month period.  
 Which Months: All Year Statistical Basis: Annual maximum  
 Operating time monitored by hour/time monitor continuously.  
 Which Months: All Year Statistical Basis: Annual maximum  
 Submit report: Due annually, by the 31st of March. Report the combined operating time for sources EQT10, EQT11, and EQT12 for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division.
- 146 [LAC 33:II.507.H.1.a] Operating time recordkeeping by electronic or hard copy monthly. Keep records of the combined operating time for sources EQT10, EQT11, and EQT12 each month, as well as the combined operating time for sources EQT10, EQT11, and EQT12 for the last twelve months. Make records available for inspection by DEQ personnel.
- 147 [LAC 33:II.507.H.1.a]
- 148 [LAC 33:II.507.H.1.a]

**GRP 0003 LHEC - Line Heaters Emissions Cap**

Group Members: EQT 0007EQT 0008EQT 0009

- 149 [LAC 33:II.501.C.6] Operating time <= 2102 hr/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if combined operating time for sources EQT7, EQT8, and EQT9 exceeds the maximum listed in this specific condition for any twelve consecutive month period.  
 Which Months: All Year Statistical Basis: Annual maximum  
 Operating time monitored by hour/time monitor continuously.  
 Which Months: All Year Statistical Basis: Annual maximum
- 150 [LAC 33:II.507.H.1.a]

**SPECIFIC REQUIREMENTS**

AI ID: 123347 - Pine Prairie Energy Center LLC - Pine Prairie Energy Center

Activity Number: PER20090001

Permit Number: 0920-00059-V1

Air - Title V Regular Permit Minor Mod

**GRP 0003 LHEC - Line Heaters Emissions Cap**

151 [LAC 33:III.507.H.1.a]

152 [LAC 33:III.507.H.1.a]

Submit report: Due annually, by the 31st of March. Report the combined operating time for sources EQT7, EQT8, and EQT9 for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. Operating time recordkeeping by electronic or hard copy monthly. Keep records of the combined operating time for sources EQT7, EQT8, and EQT9 each month, as well as the combined operating time for sources EQT7, EQT8, and EQT9 for the last twelve months. Make records available for inspection by DEQ personnel.

**GRP 0004 CEEC - Compressor Engines Emissions Cap**

Group Members: EQT 0013EQT 0014EQT 0015EQT 0016EQT 0017EQT 0018EQT 0025EQT 0026EQT 0027EQT 0028EQT 0029EQT 0030

153 [LAC 33:III.501.C.6]

Fuel rate <= 1935 MM ft<sup>3</sup>/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the fuel usage exceeds the maximum listed in this specific condition for any twelve consecutive month period.

Which Months: All Year Statistical Basis: Annual maximum

154 [LAC 33:III.507.H.1.a]

155 [LAC 33:III.507.H.1.a]

156 [LAC 33:III.507.H.1.a]

Submit report: Due annually, by the 31st of March. Report the fuel usage for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division.

Fuel rate recordkeeping by electronic or hard copy monthly. Keep records of the total fuel usage each month, as well as the total fuel usage for the last twelve months. Make records available for inspection by DEQ personnel.

Fuel rate monitored by technically sound method continuously.

Which Months: All Year Statistical Basis: Annual maximum

**UNF 0001 UNF1 - Entire Facility**

157 [40 CFR 60.]

158 [LAC 33:III.103]

159 [LAC 33:III.1303.B]

160 [LAC 33:III.2113.A]

161 [LAC 33:III.219]

162 [LAC 33:III.535]

All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A.

Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensify an existing traffic hazard condition are prohibited. Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited.

Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5.

Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance.

Comply with the Part 70 General Conditions as set forth in LAC 33:III.535 and the Louisiana General Conditions as set forth in LAC 33:III.537. [LAC 33:III.535, LAC 33:III.537]

Submit standby plan for the reduction or elimination of emissions during an Air Pollution Alert, Air Pollution Warning, or Air Pollution Emergency: Due within 30 days after requested by the administrative authority.

**SPECIFIC REQUIREMENTS**

AI ID: 123347 - Pine Prairie Energy Center LLC - Pine Prairie Energy Center  
Activity Number: PER20090001  
Permit Number: 0920-00059-V1  
Air - Title V Regular Permit Minor Mod

**UNF 0001 UNF1 - Entire Facility**

164 [LAC 33:II.5611.B]

During an Air Pollution Alert, Air Pollution Warning or Air Pollution Emergency, make the standby plan available on the premises to any person authorized by the department to enforce these regulations.

165 [LAC 33:II.5901.A]

Comply with the provisions in 40 CFR 68, except as specified in LAC 33:III.5901.  
Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment.

166 [LAC 33:II.919.D]

Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D.